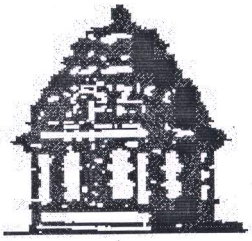

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Work : Improvements to Roads,Drains,Footpath and Park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

BYATARAYANAPURA DIVISION

TOTAL ABSTRACT

5th PART BILL

Bruhat Bengaluru Mahanagara Palike

BYATARAYANAPURA DIVISION

TOTAL ABSTRACT

Name Of work : - Improvements to Roads,drains,footpath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

Job Code :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347

Name of Agency :- M/s Karthik Enterprises

Bill No :- 5th and Part Bill

Measurements recorded on

BOQ Item	Description	Unit		Qty	Rate	Amount	Remarks
4	**KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)**						
	Maruthinagr 1st Stage			268.11			
	Kannuramma Main Raod			194.43			
	Present Qty			462.54			
	Preveous Qty			**6236.19**			
	Total			**6698.73**			
	BOQ qty			**16048.83**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**462.54**	**202.30**	**93570.83**	
5	**KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)**						
	Tatanagar			56.85			
	Maruthinagr 1st Stage			157.39			
	Kannuramma Main Raod			22.55			
	Present Qty			236.79			
	Preveous Qty			388.59			
	Total			**625.38**			
	BOQ qty			**842.36**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**236.79**	**5608.71**	**1328073.82**	
6	**Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17**						
	Tatanagar			145.23			
	Maruthinagr 1st Stage			84.75			

Consultant

TEJU CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

	Kannuramma Main Raod			65.33			
	Present Qty			295.31			
	Preveous Qty			773.99			
	Total			**1069.30**			
	BOQ qty			**1600.67**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**295.31**	**11568.66**	**3416283.14**	
7	**KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWTD SR 2016-17)**						
	Tatanagar			7.70			
	Maruthinagr 1st Stage			4.65			
	Present Qty			12.35			
	Preveous Qty			55.30			
	Total			**67.65**			
	BOQ qty			**76.55**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Sqm		**12.35**	**256.76**	**3170.99**	
8	**KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWTD SR 2016-17)**						
	Tatanagar			38.02			
	Maruthinagr 1st Stage			24.00			
	Present Qty			62.02			
	Preveous Qty			325.38			
	Total			**387.40**			
	BOQ qty			**551.16**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Sqm		**62.02**	**325.67**	**20198.05**	
9	**Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IWTD SR 2016-17)**						
	Maruthinagr 1st Stage			5.20			
	Present Qty			5.20			
	Preveous Qty			120.08			
	Total			**125.28**			
	BOQ qty			**238.30**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Cum**		**5.20**	**6534.60**	**33979.92**	

Consultant

Assistant Engineer

Assistant Executive Engineer

10	**KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**					
	Maruthinagr 1st Stage			4.65		
	Kannuramma Main Raod			3.27		
	Present Qty			7.92		
	Preveous Qty			47.37		
	Total			**55.29**		
	BOQ qty			**89.33**		
	Qty upto 125%					
	Qty Beyond 125%					
	TOTAL	**MT**		**7.92**	**62300.47**	**493396.92**
11	**Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)**					
	Maruthinagr 1st Stage			381.51		
	Present Qty			381.51		
	Preveous Qty			**1856.81**		
	Total			**2238.32**		
	BOQ qty			**3672.20**		
	Qty upto 125%					
	Qty Beyond 125%					
	TOTAL	**Sqm**		**381.51**	**867.87**	**331101.08**
12	**KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications, (only chamfered length shall be recorded) KBS 5.1.13 (P.No.24, I.No.5.22 of PW,P&IWTD SR 2016-17)**					
	Maruthinagr 1st Stage			2481.00		
	Present Qty			2481.00		
	Preveous Qty			~~7798.80~~	7548.00	
	Total			~~10279.80~~	10029.00	
	BOQ qty			**10164.00**		
	Qty upto 125%					
	Qty Beyond 125%					
	TOTAL	**Rmt**		**2481.00**	**38.90**	**96510.90**
13	**Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.23, I.No.5.17 of PW,P&IWTD SR 2016-17)**					
	Maruthinagr 1st Stage			479.61		
	Present Qty			479.61		
	Preveous Qty			1783.44		
	Total			**2263.05**		
	BOQ qty			**3079.50**		
	Qty upto 125%					
	Qty Beyond 125%					
	TOTAL	**Sqm**		**479.61**	**605.78**	**290538.15**

TEJU CONSULTANTS Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

14	**KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)**						
	Tatanagar			12.04			
	Present Qty			12.04			
	Preveous Qty			106.24			
	Total			**118.28**			
	BOQ qty			**181.27**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Cum**		**12.04**	**4653.92**	**56042.50**	
15	**KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(P.No.24, I.No.5.26.2 of PW, P&IWTD SR 2016-17)**						
	Maruthinagr 1st Stage			198.00			
	Present Qty			198.00			
	Preveous Qty			258.08			
	Total			**456.08**			
	BOQ qty			**584.00**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Sqm**		**198.00**	**1008.15**	**199613.70**	
17	**KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)**						
	Tatanagar			3.16			
	Maruthinagr 1st Stage			2.27			
	Present Qty			5.43			
	Preveous Qty			63.51			
	Total			**68.94**			
	BOQ qty			**124.71**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Cum**		**5.43**	**6047.76**	**32834.80**	

Consultant

Assistant Engineer

Assistant Executive Engineer

19	**Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.(P.No.109, I.No.14.62 of PW,P&IWTD S.R 2015-16)**						
	Parks in CQAL Layout and Sahakara Nagar			303.30			
	Present Qty			**303.30**			
	Preveous Qty			192.90			
	Total			**496.20**			
	BOQ qty			**1744.00**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Sqm**		**303.30**	**1205.99**	**365776.77**	
20	**Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)**			135.00			
	Tatanagar			~~157.50~~			
	Maruthinagr 1st Stage			207.60			
	Kannuramma Main Raod			155.80			
	Present Qty			~~520.90~~	498.40		
	Preveous Qty			1863.57			
	Total			~~2384.47~~	2361.97		
	BOQ qty			**4131.99**			
	Qty upto 125%			**1041.80**			
	Qty Beyond 125%			498.40 m²		887411.00	
	TOTAL	**Sqm**		~~520.90~~	1780.52	~~927472.87~~	
21	**Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)**						
	Tatanagar			52.65			
	Maruthinagr 1st Stage			12.00			
	Present Qty			**64.65**			
	Preveous Qty			392.25			
	Total			**456.90**			
	BOQ qty			**564.90**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Sqm**		**64.65**	**4995.53**	**322961.01**	

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

22	**Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No.25, I.No.5.30 of PW,P&IWTD S.R 2016-17)**						
	Maruthinagr 1st Stage			958.00			
	Parks in CQAL Layout and Sahakara Nagar			222.00			
	Present Qty			**1180.00**			
	Preveous Qty			3827.00			
	Total			**5007.00**			
	BOQ qty			**6690.00**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**nos**		**1180.00**	**347.90**	**410522.00**	
25	**KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)**						
	Maruthinagr 1st Stage			255.56			
	Present Qty			**255.56**			
	Preveous Qty			1424.27			
	Total			**1679.83**			
	BOQ qty			**2389.63**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Cum**		**255.56**	**162.28**	**41471.71**	
33	**Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Maruthinagr 1st Stage			**100.83**			
	Present Qty			100.83			

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

	Present Qty			**100.83**			
	Preveous Qty			**0.00**			
	Total						
	BOQ qty			**160.20**			
	TOTAL	Sqm		**100.83**	**5776.55**	**582460.37**	
34	**Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Maruthinagr 1st Stage			**625.86**			
	Present Qty			625.86			
	Present Qty			**625.86**			
	Preveous Qty			**0.00**			
	Total			**625.86**			
	BOQ qty			**1068.00**			
	TOTAL	Sqm		**625.86**	**100.04**	**62610.53**	
47	**Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, as per drawing and technical specification.**						
	Parks in CQAL Layout and Sahakara Nagar			90.99			
	Present Qty			**90.99**			
	Preveous Qty			**0.00**			
	Total			**90.99**			
	BOQ qty			**429.38**			
	TOTAL	Sqm		**90.99**	**75.58**	**6877.02**	
54	**KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2**						
	Parks in CQAL Layout and Sahakara Nagar			40.69			
	Present Qty			**40.69**			
	Preveous Qty			**0.00**			
	Total			**40.69**			
	BOQ qty			**40.98**			
	TOTAL	Sqm		**40.69**	**5871.03**	**238892.21**	

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisio
Yelahanka Zone, B.B.M
Bangalore.

55	**KSRRB 2100.-2.2: Earthwork in excavation for foundations of structures as per drawings and techincal specifications including, setting out , construction of shoring & bracing , removal of stumps and other deleterious matter , dressing of sides and bottom and backfilling with approved material complete as per specifications .B. Machanical means (i) Depth - 3.0 Mtr to 6.0 m depth MORTH specification - No - 304(P.No.216, I.No.27.5 of PW,P&IWTD S.R 2016-17))**						
	Tatanagar			483.51			
	Present Qty			**483.51**			
	Preveous Qty			**227.50**			
	Total			**711.01**			
	BOQ qty			**1029.00**			
	TOTAL	Cum		**483.51**	**167.15**	**80818.28**	
63	**KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700-Height upto 5 m(P.No.233 , I.No.29.16.1 of PW,P&IWTD S.R S.R 2016-17)**						
	Tatanagar			8.27			
	Present Qty			**8.27**			
	Preveous Qty			**28.26**			
	Total			**36.54**			
	BOQ qty			**40.46**			
	TOTAL	Cum		**8.27**	**8324.92**	**68867.90**	
64	**KSRRB M2200 -6 Supplying , fitting and placingTMT bar Fe 550 reinforcement in sub-structure complete as per drawing & technical specification complete as per the specification . MORTH Specification No.1600 & 2200(P.No.225 , I.No.28.8.3 of PW,P&IWTD S.R 2016-17)**						
	Tatanagar			7.93			
	Present Qty			**7.93**			
	Preveous Qty			4.29			
	Total			**12.22**			
	BOQ qty			**23.75**			
	TOTAL	MT		**7.93**	**62834.96**	**498082.49**	
	GRAND TOTAL IN Rs.					**10002370.25**	

HEMS CONSULTANTS Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.,
Bangalore.